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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/786,021	02/26/2004	Kristin Feeley	01194-514001 / 03-317	2923

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EXAMINER

WILLIAMS, CATHERINE SERKE

ART UNIT PAPER NUMBER

3763

DATE MAILED: 09/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/786,021	<b>Applicant(s)</b> FEELEY ET AL.	
	<b>Examiner</b> Catherine S. Williams	<b>Art Unit</b> 3763	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 23 June 2006.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-6 and 9-20 is/are pending in the application.
- 4a) Of the above claim(s) 6,9-11,13 and 20 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5,12 and 14-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-5, 12 and 17-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hochman (USPN 6,726,658) in view of Utterberg et al (USPubN 2003/0175323) in further view of Hall et al (USPubN 2003/0212373). Hochman discloses an intervention rod (94), a hub (92), and a delivery tube (12) where longitudinal movement of the hub by a connected extension arm (100, 50, 80, 82 and 84) and finally a clinician (see 52-53) ejects the intervention rod from the delivery tube (12) and detaches the rod from the delivery tube. See figures 1-4. The tube has a continuous slit longitudinal partition (24) and hub opening (32) which allows access to the hub via the exposed portion of extension arm (100). The arm and hub have a tapered connection point (84, 92) that enables removal. See figures 3-4. The hub has an aperture. See figure 10. A valve (22) is coupled to an open end of the delivery tube. The method steps of coupling, forming, and disposing are considered inherent in order to properly make and use the device as disclosed.

Hochman meets the claim limitations as described above but fails to include the rod being an antimicrobial bearing device. However, Utterberg discloses a catheter/rod that includes iodine. The iodinated catheter/rod is designed with the antimicrobial treatment in order to reduce problems with infection. See paragraph 0002.

At the time of the invention, it would have been obvious to incorporate the teaching of a antimicrobial iodine into the invention of Hochman. Both devices are analogous in the art of percutaneous administration into a patient; therefore, a combination is proper. Additionally, the motivation is provided in that Utterberg teaches an enhanced design for reduced infection in a patient and the incorporation of the iodine into the rod (94) of Hochman would have been in order to provide the patient with enhanced safety from infection.

Hochman meets the claim limitations as described above but fails to include the longitudinal partition being perforated.

However, Hall teaches a shield with a perforated longitudinal partition. See figure 1A #30.

At the time of the invention it would have been obvious to incorporate the perforations of Hall into the invention of Hockman. The motivation would have been in order to provide the shield of Hockman with enhanced sterility. Additionally, Applicant has failed to establish that the perforated slit provides an advantage, is used for a particular purpose or solves a stated problem. Furthermore, one would expect a continuous slit or a perforated slit to perform equally well considering that either slit would enable the rod to be advanced toward a patient and detached from the delivery tube.

Claims 14-16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hochman in view of Utterberg in view of Hall in further view of Chang et al (USPN 5,419,766). Hochmann in view of Utterberg in view of Hall meets the claim limitations as described above but fails to include the delivery tube being made from a polyester.

However, Chang discloses polyester sheaths. The material is used for its hydrophobic property to prevent moisture from traveling through the sheath. See 7:35-62.

At the time of the invention, it would have been obvious to incorporate the material, i.e. polyester, as taught by Chang to make the delivery tube of Hochmann in view of Utterberg in view of Hall. The devices are analogous in the art of percutaneous administration; therefore, a combination is proper. Additionally, the motivation is provided by Chang in that the material prevents moisture from traveling through the sheath. One skilled in the art would reasonably conclude that by preventing the transmission of moisture through the tube one would enhance the sterility of the device prior to use thereby enhancing the safety to the patient.

#### ***Response to Arguments***

Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

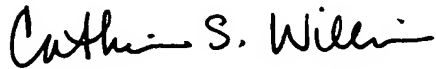
#### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Catherine S. Williams whose telephone number is 571-272-4970. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nicholas D. Lucchesi can be reached on 571-272-4977. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3763

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Catherine S. Williams  
September 8, 2006

CATHERINE S. WILLIAMS  
PRIMARY EXAMINER